Name of the Work : Developments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli

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TEST REPORT					
Clients	Bruhat Bangalore Mahanagara Palike				
Project	Developments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/s Karthik Enterprises				
Total Weight in gm:	3000				

SIEVE ANALYSIS

Type of Material	40 mm down size			**Proposed Use**	PCC
				Date of Sampling	6/9/2018
Sample Location	At Site			**Date of Testing**	6/9/2018
IS Sieve Size	**Weight Retained in gm**	**Cum. Weight Retained in gm**	**Cumulative Weight Retained in %**	**Cumulative Weight Passing in %**	**Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size**
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	90	90	3.00	97.00	95-100
20.00mm	1100	1190	39.67	60.33	30-70
10.00mm	850	2040	68.00	32.00	10-35
4.75mm	750	2790	93.00	7.00	0-5
Pan	210	3000	100.00	0.00	
Remarks :	Satisfactory / Not Satisfactory				

Consultant's Representative

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Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Developments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s Karthik Enterprises

SPECIFIC GRAVITY AND WATER ABSORPTION ON FINE AGGREGATE (IS-2386-PART-3)

Type of Material	**Sand/M sand**	**Proposed Use**	Concrete
Location/Source	**At Plant/site**	**Date of Sampling**	6/9/2018
Period of Soaking	**24 hours**	**Date of Testing**	6/9/2018

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample gm.	692	683	680	
B	Weight of oven - dry sample gm.	685	675	672	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1698	1698	1708	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.546	2.596	2.721	**2.621**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.022	1.185	1.190	**1.133**

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TEST REPORT	
Clients	Bruhat Bangalore Mahanagara Palike
Project	Developments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s Karthik Enterprises

SIEVE ANALYSIS

Total Weight:	**3000** gms				
Type of Material	**Fine aggregate (River Sand/M sand)**		**Proposed Use**	Concrete	
Sample Location	At Plant/site		**Date of Sampling**	6/9/2018	
			Date of Testing	6/9/2018	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing (Zone-II)**
10.00 mm	0	0	0	100.00	**100**
4.75 mm	223	223	7.43	92.57	**90 - 100**
2.36 mm	275	498	16.60	83.40	**75 - 100**
1.18 mm	523	1021	34.03	65.97	**55 - 90**
0.600 mm	495	1516	50.53	49.47	**35 -59**
0.300 mm	712	2228	74.27	25.73	**8-30**
0.150 mm	580	2808	93.60	6.40	**0 - 10**
Pan	192	3000			**-**
Remarks :	Satisfactory / Not Satisfactory				

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TEST REPORT ON CEMENT	
Project	Developments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s Karthik Enterprises
Sample ID	Cement
Date of Sample Tested	06/09/18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	33 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	383 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	

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